

FIG. 1

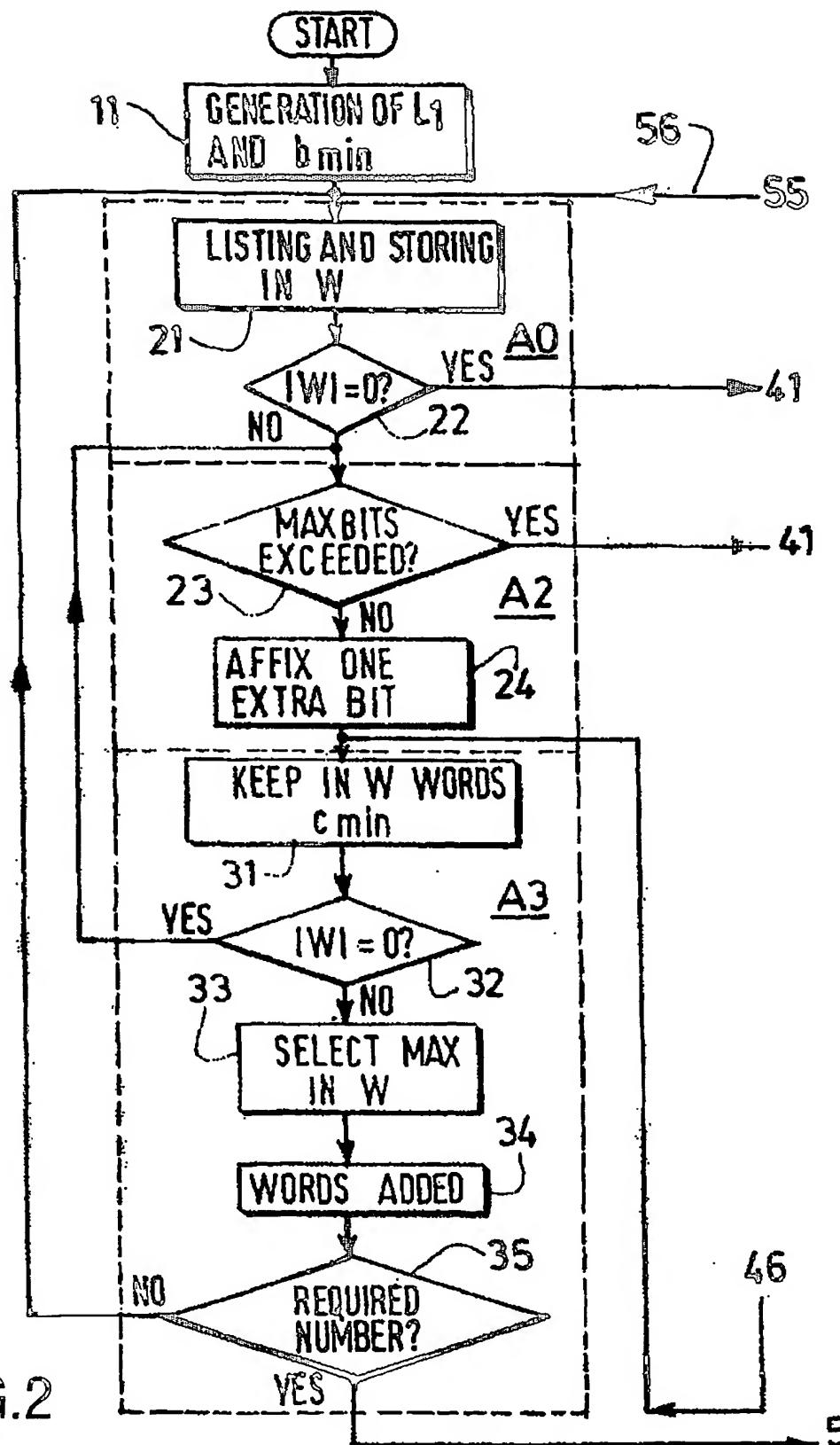


FIG.2

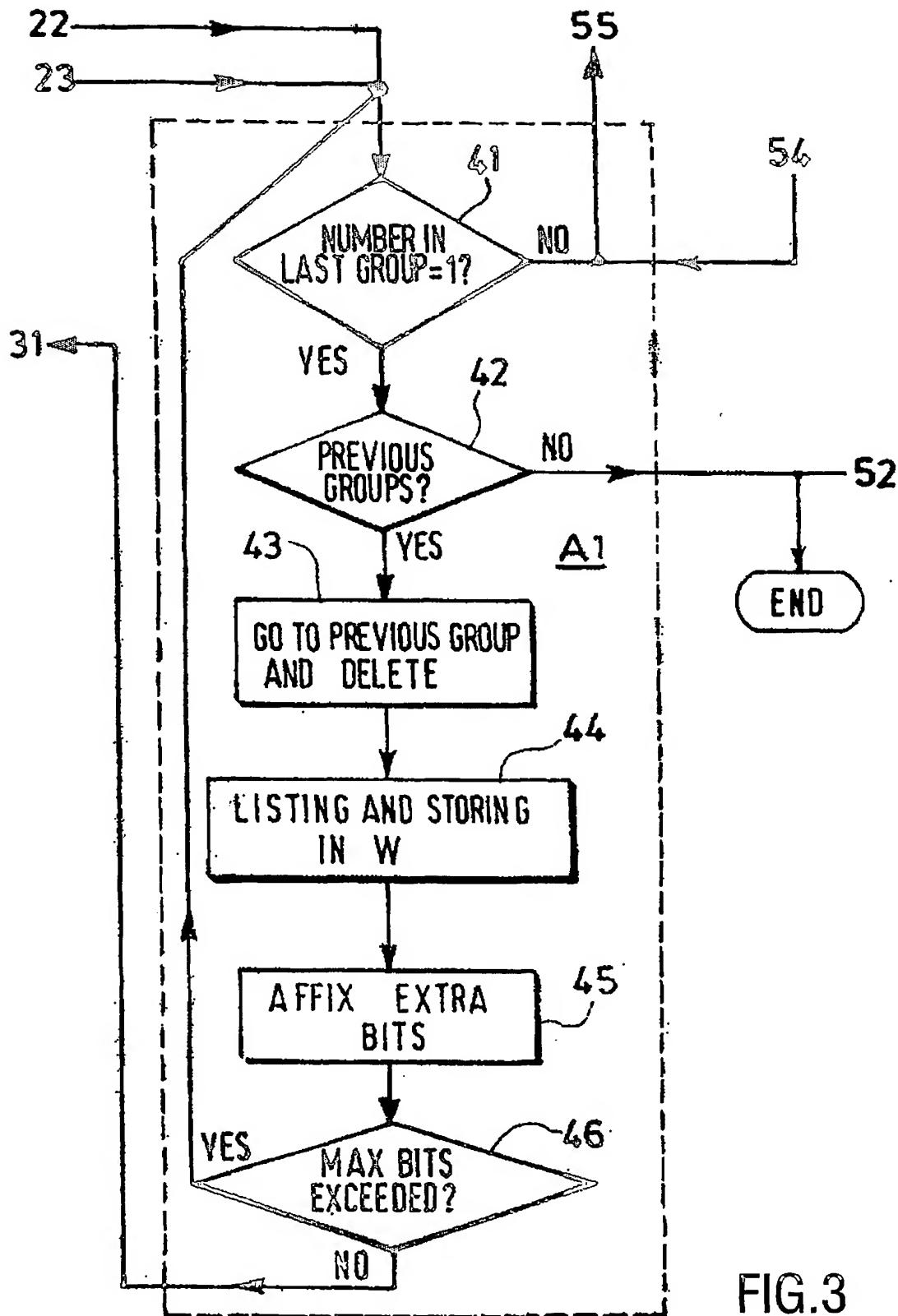


FIG.3

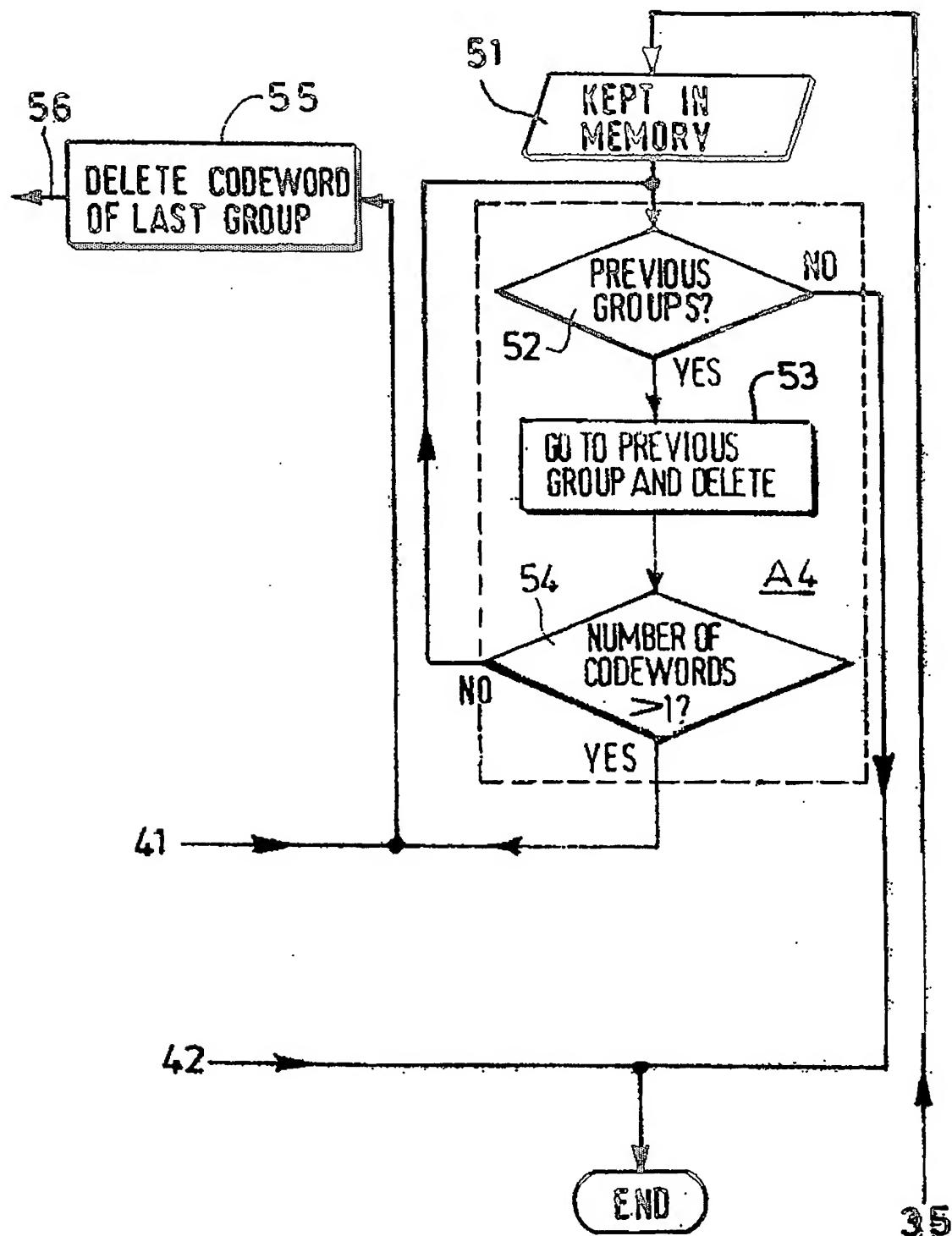


FIG.4

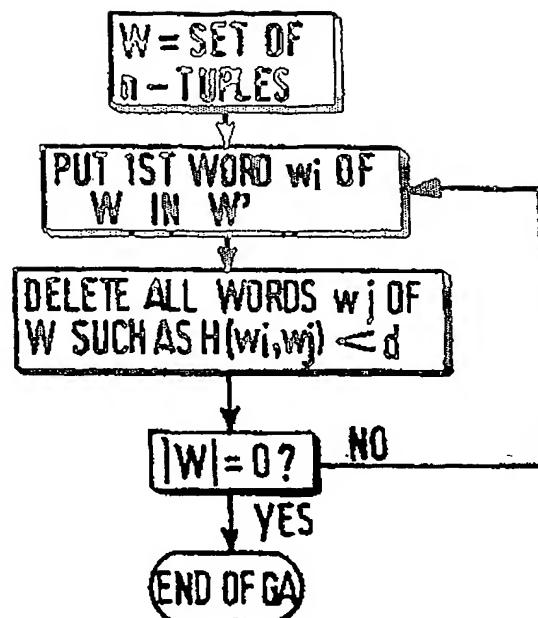


FIG.5

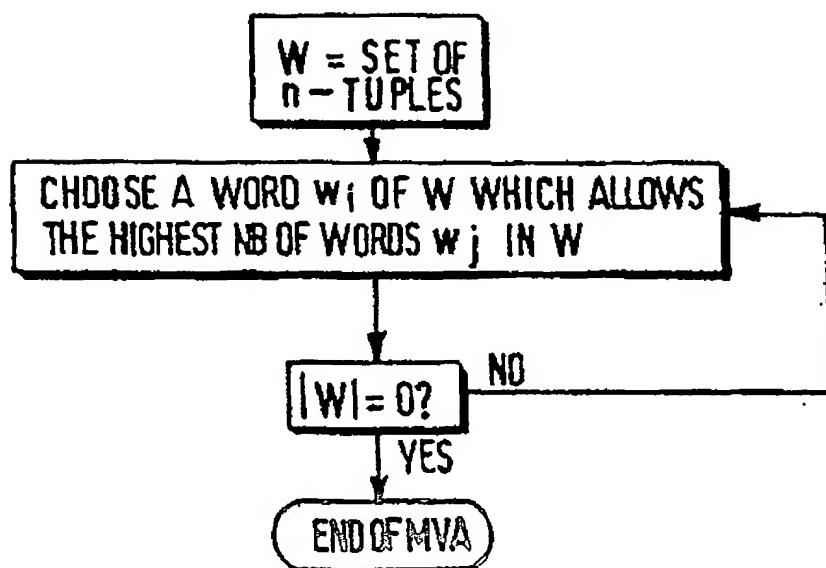


FIG.7

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CODE STRUCTURE		
dfree	AL	TIME
3	6,946	4s
		[(@4,-;1@5,-;3@6,3;8@7,3;4@8,3;3@9,3;1@10,-;2@11,4;1@12,-;1@13,-;1@14,-;2,1)]
5	8,505	15s
		[(@6,-;2@7,5;3@8,5;4@9,5;5@10,5;5@11,5;5@12,5;2@13,5;3,2)]
7	10,73	2min
		[(@8,-;2@9,7;2@10,7;3@11,7;4@12,7;4@13,7;5@14,7;4@15,7;4,3)]

FIG. 6

CODE STRUCTURE		
q _{free}	AL	TIME
3	6,3038	50s
5	0,1752	16min
7	10,7385	14h

FIG. 8

SOURCE SYMBOL	PROBABILITY
e	0,1270
t	0,0906
a	0,0817
o	0,0751
i	0,0697
n	0,0674
s	0,0633
h	0,0609
r	0,0599
d	0,0425
l	0,0403
c	0,0278
u	0,0276
m	0,0241
w	0,0236
f	0,0223
g	0,0202
y	0,0197
p	0,0193
b	0,0149
v	0,0098
k	0,0077
j	0,0015
x	0,0015
q	0,0010
z	0,0007

FIG.9

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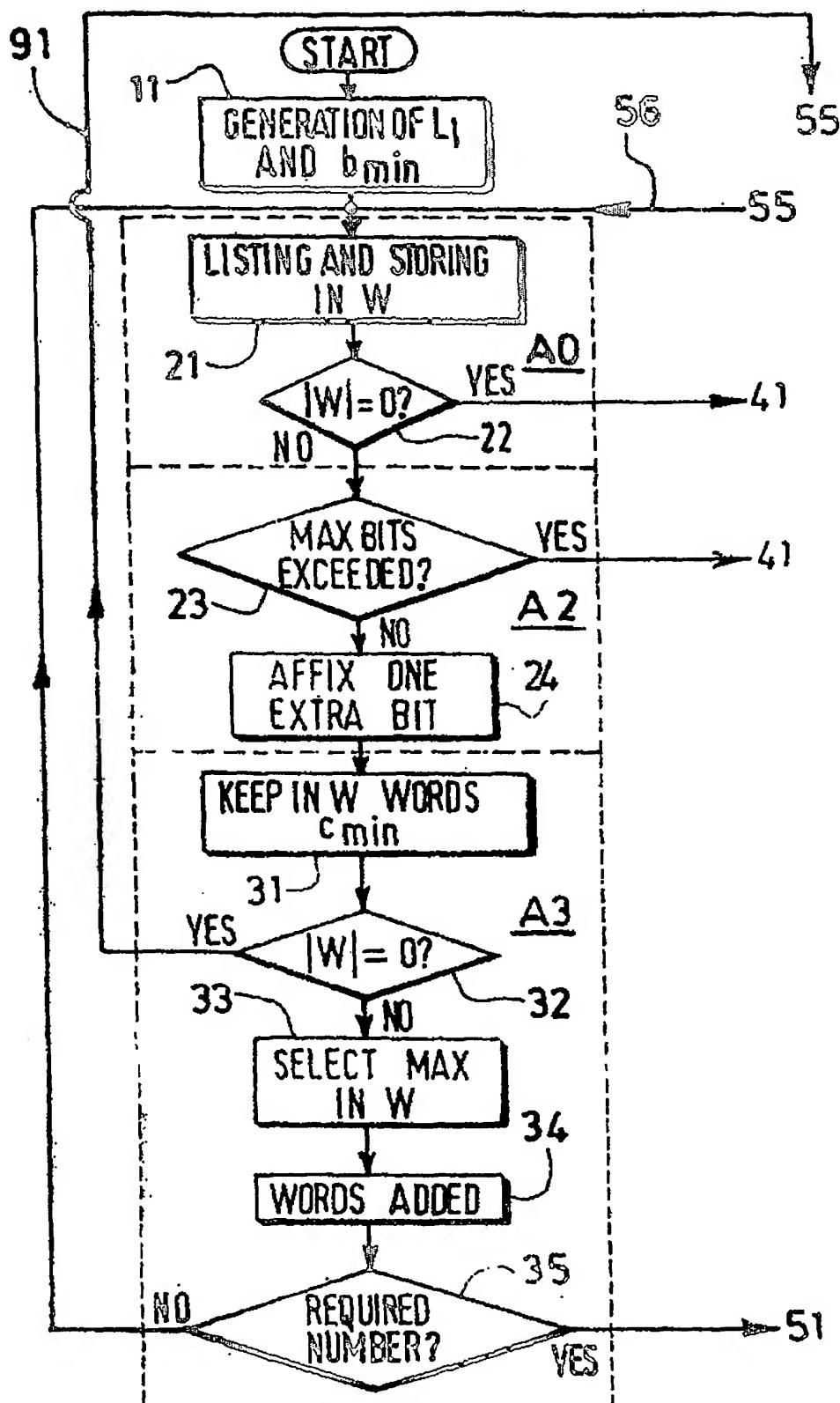


FIG.10

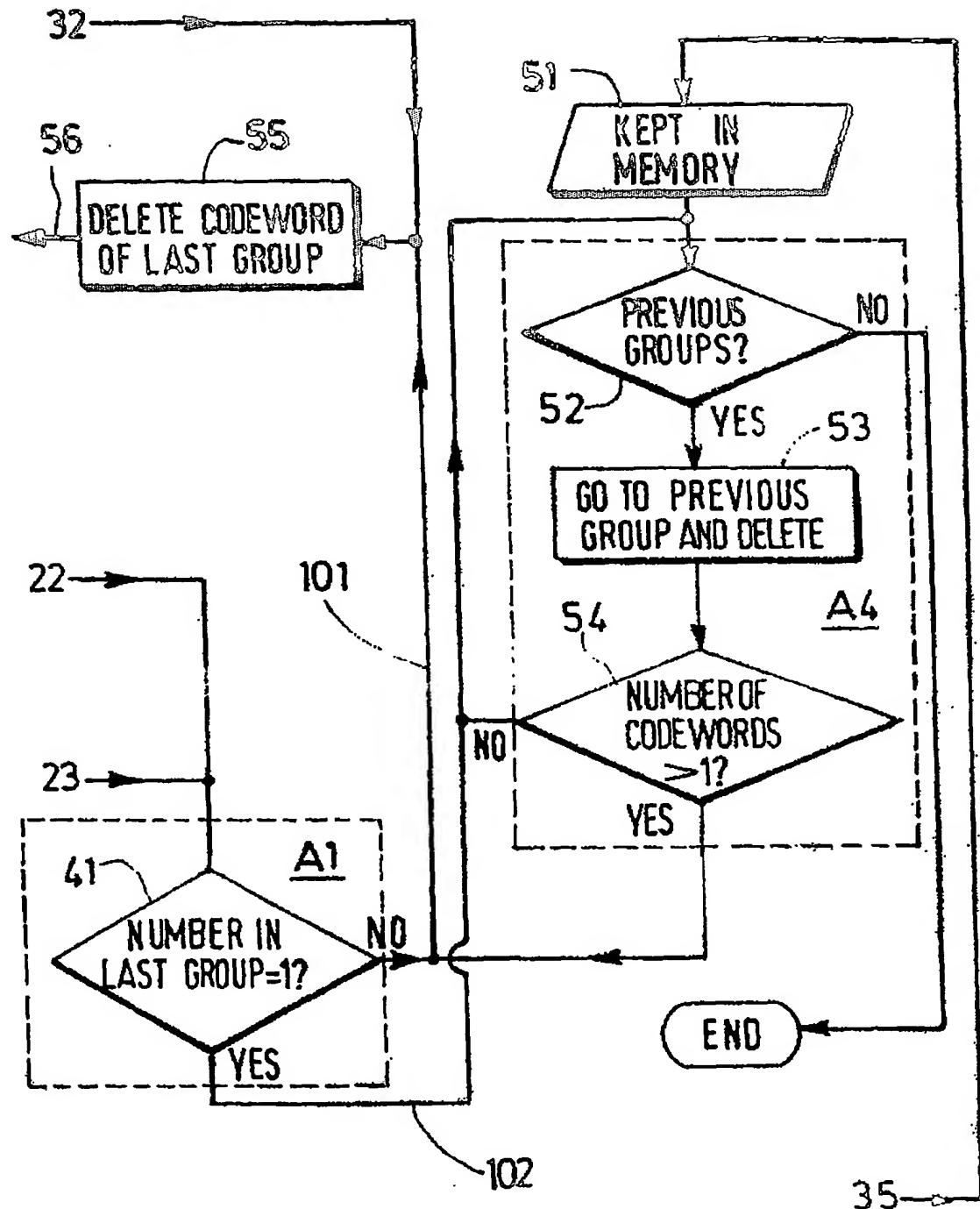


FIG.11

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degree	AL	TIME	CODE STRUCTURE
3	6,3,6,9,4	42s	11@4,-; 1@5,-; 5@6,3; 6@7,3; 4@8,3; 4@9,3; 1@10,-; 1@12,-; 2@13,-; 1@16,-; 1@2,11
5	6,5,6,6,1	3min	11@6,-; 2@7,5; 3@8,5; 4@9,5; 4@10,5; 5@11,5; 5@12,5; 2@13,5; 3,21
7	10,7,9	13min	11@8,-; 2@9,7; 2@10,7; 3@11,7; 4@12,7; 4@13,7; 6@14,7; 6@15,7; 6,31

FIG. 12

degree	AL	TIME	CODE STRUCTURE
3	6,3,5,3,0	17s	11@4,-; 1@5,-; 5@6,3; 6@7,3; 4@8,3; 3@9,3; 2@10,4; 2@11,3; 1@12,-; 1@13,-; 1@2,11
5	6,5,6,6,1	45s	11@6,-; 2@7,5; 3@8,5; 4@9,5; 4@10,5; 5@11,5; 5@12,5; 2@13,5; 3,21
7	10,7,9	3min	11@8,-; 2@9,7; 3@10,7; 4@11,7; 4@12,7; 4@13,7; 6@14,7; 6@15,7; 6,31

FIG. 13

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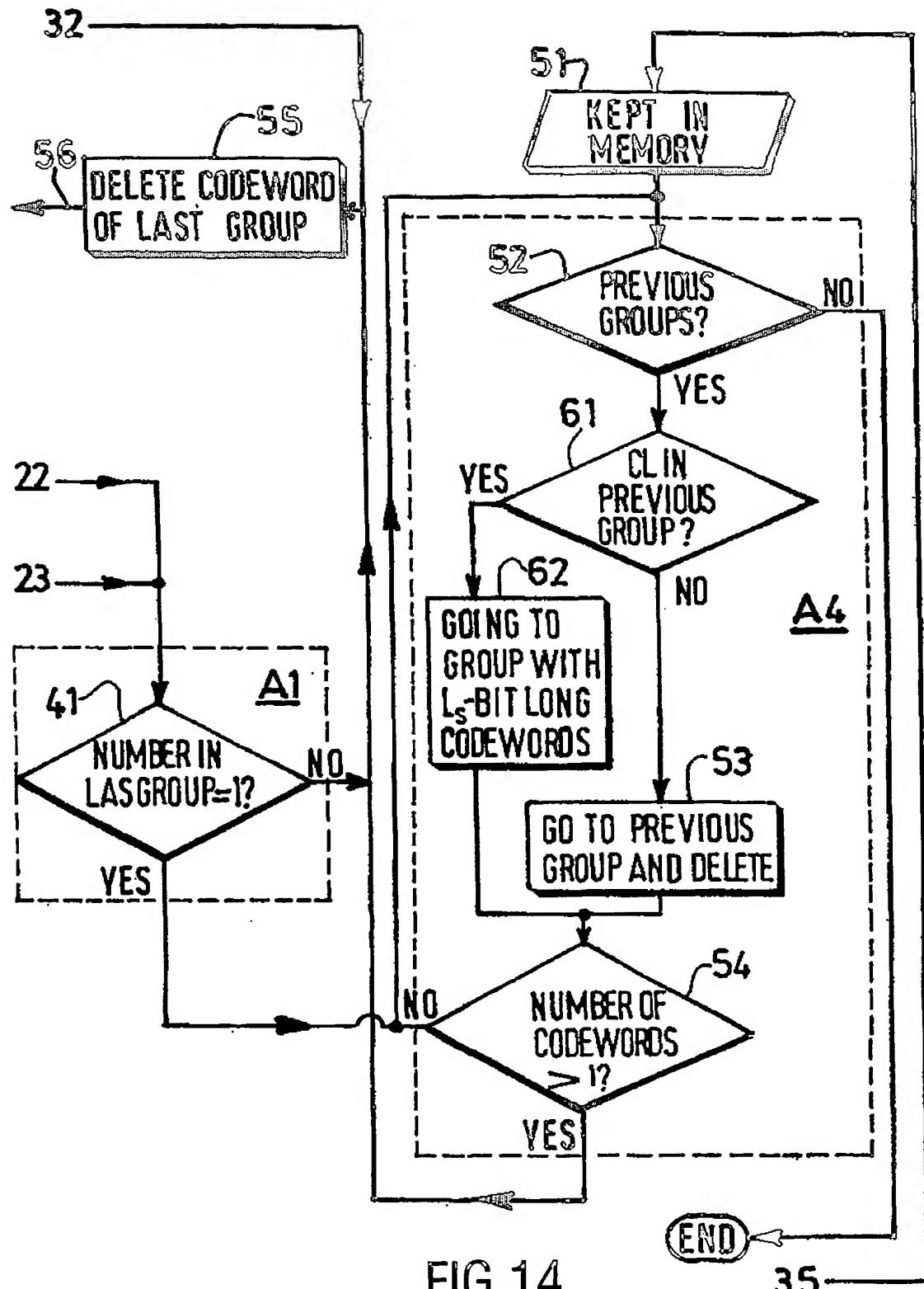


FIG. 14

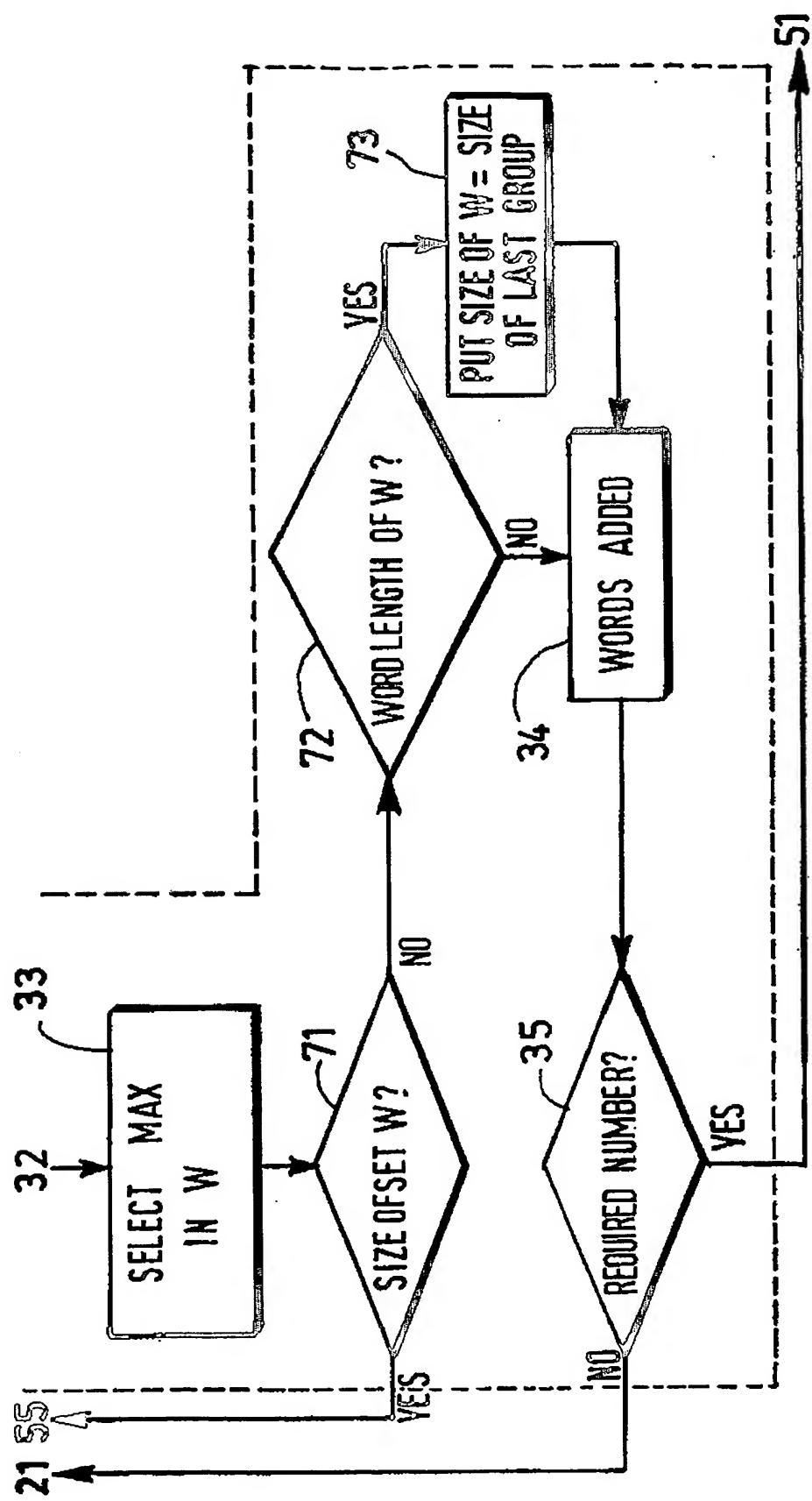


FIG. 15

d'tree	ls->	4	5	6	7	8	9	10	11	12	13	14	15
3 L ₁ =4,L _{max} =13	AL Time	no code	0,017s	6,3550	6,3550	6,3530	6,3530	6,3530	6,3530	6,3530	x	x	x
5 L ₁ =6,L _{max} =13	AL Time	x x	no code	0,008s	0,5061	8,5061	8,5061	8,5061	8,5061	8,5061	x	x	x
7 L ₁ =8,L _{max} =15	AL Time	x x	x x	x x	10,79	10,79	10,79	10,79	10,79	10,79	10,79	10,79	10,79

FIG. 16

d'tree	ls->	4	5	6	7	8	9	10	11	12	13	14	15
3 L ₁ =4,L _{max} =13	AL Time(s)	7,832 0,002	6,3551 0,016	6,3551 0,026	6,3551 0,036	6,3551 0,046	6,3551 0,056	6,3551 0,066	6,3551 0,076	6,3551 0,086	6,3551 0,096	6,3551 0,106	6,3551 0,116
5 L ₁ =6,L _{max} =13	AL Time(s)	5 x	5 x	5 x	6 x	6 x	6 x	6 x	6 x	7 x	7 x	7 x	7 x
7 L ₁ =8,L _{max} =15	AL Time(s)	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm	x Lm

FIG. 17